



# University of Chicago Medical Center implements Q-CPR and sees results

In an effort to improve the quality of CPR administration, the University of Chicago Medical Center has adopted Philips HeartStart MRx monitor/defibrillators with Q-CPR technology and trained its Code Team to use Q-CPR™ for every cardiac arrest.

Q-CPR, developed by Laerdal and Philips and available only on the HeartStart MRx monitor/defibrillator, provides real-time feedback on CPR to Advanced Life Support responders, helping them achieve the optimal rate and

depth of compressions, as well as frequency and quality of ventilations. During the past few years, Code Team responders at the University of Chicago Medical Center have used Philips HeartStart MRx with Q-CPR on over 150 patients.

Researchers used Q-CPR with its feedback disabled to collect data on un-assisted CPR and observed inconsistent performance and lack of adherence to American Heart Association CPR guidelines, even among experienced responders.<sup>1</sup> But with feedback enabled, they have noted improvements in chest compression depth and rate, as well as ventilation rate.<sup>2</sup>

The Code Team meets weekly to review the performance data stored by Q-CPR and to identify areas for improvement. Deborah Walsh, a registered nurse and educator at UCMC, says, “I found the data recording capabilities to be very useful in educating Code Team members.”

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– **Deborah Walsh, RN**  
*ACLS Course Director*

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1 Abella BS, Alvarado JR, Myklebust H, et al. Quality of cardiopulmonary resuscitation during in-hospital cardiac arrest. JAMA. 2005 Jan 19;293(3):305-10.

2 Abella BS, Edelson DP, Kim S, Retzer E, Myklebust H, Barry AM, et al. CPR Quality improvement during in-hospital cardiac arrest using real-time audiovisual feedback system. Resuscitation. 2007; 73, 54-61.

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